

What is claimed is:

1. A data transmission method, first data being transmitted to a first processor, wherein second data based on the first data is transmitted to a second processor, the second data is checked in the second processor, and a check result is transmitted to the first processor.

2. The method according to Claim 1, wherein the first data is transmitted to the first processor from a data medium drive or a third processor.

3. The method according to Claim 2, wherein the identity of the third processor and/or the data carrier is checked in the second processor.

4. The method according to one of the preceding claims, wherein an error-free transmission of data is checked in each the first processor and/or in the second processor.

5. The method according to one of the preceding claims, wherein the first and/or second data is transmitted in encoded form and/or with an electronic signature.

6. The method according to Claim 5, wherein the data is encoded with a private key of the respective processor and/or is provided with an electronic signature.

7. The method according to one of the preceding claims, wherein the first processor is connected to the second processor and/or the second processor is connected to the third processor by a wireless connection.

8. The method according to one of the preceding claims, wherein a database is accessed in the second processor for checking the second data.

9. The method according to one of the preceding claims, wherein a payment process is initiated by the second processor as a function of the second data.

10. The method according to one of the preceding claims, wherein use of the first data in the first processor is allowed by the second processor.

11. The method according to one of the preceding claims, wherein use of the first data by the first processor is stored by the second processor.

12. The method according to one of the preceding claims, wherein a check is restarted in the first processor if the check has not been run through completely.

13. The method according to one of the preceding claims, wherein a program for checking the first data and/or a check result is stored in a nonvolatile form in the second processor.

14. The method according to one of the preceding claims, wherein the first data in the first processor is deleted if no user license for the first data is transmitted by the third processor.

15. The method according to one of the preceding claims, wherein a warning is delivered if the first data is not released.

16. The method according to one of the preceding claims,

wherein a first check code is determined from the first data,  
and  
the second data is formed at least in part from the first  
check code.

17. The method according to one of the preceding claims,  
wherein a second check code is determined from data of the  
first processor, and  
the second data is formed at least in part from the second  
check code.

18. A device for carrying out the method according to one of  
the preceding claims.

19. A controller in a motor vehicle for carrying out the  
method according to one of Claims 1 through 17,  
wherein the first processor (3) is positioned in the  
controller (1).

20. A check processor for carrying out the method according to  
one of Claims 1 through 17,  
wherein the second processor (15, 27) is positioned in the  
check processor (14, 26).

21. A central service office for carrying out the method  
according to one of Claims 1 through 17,  
wherein the third processor (22) is positioned in the central  
service office (21).